

CLAIM AMENDMENTS

1 - 6. (canceled)

7. (currently amended) Powder painting equipment for at least one manufactured article, the equipment comprising: [[a]]

overhead conveyor means for transporting the manufactured article along a generally horizontal conveyor path, the conveyor means including a support organ supporting the article for rotation about a generally vertical axis, the support organ having first and second flat plates rotationally fixed to the article supported by the organ and extending generally in respective vertical planes at right angles to each other,

first centre application means adjacent the transport path for applying [[the]] a first layer of powder paint to the article,

first guide means at the first application means for engaging the first plate and holding the manufactured article in a predetermined angular position relative to the axis during application of the first layer;

means at a first station downstream of the first application means for fixing said first paint layer, ~~at least a~~

second centre application means downstream of the first station for applying ~~at least~~ a second layer of powder paint in a

color, tone ~~[[and/]]~~ or ~~[[with]]~~ properties different from said first paint layer to the article,

second guide means at the first application means for engaging the second plate and holding the manufactured article in a predetermined angular position offset by about 90° to the first position relative to the axis during application of the second layer;

means at a second station downstream of the second application means for the final baking of said first and ~~at least one~~ second paint layers, ~~an equipment~~

second means downstream of the second application means and including a roll or brush for rolling ~~[[and/]]~~ or brushing the manufactured article to ~~[[re]]~~ produce ~~[[the]]~~ a desired decorative effect, ~~characterized in that it comprises moving means to generate the continuous forward movement of said at least one said manufactured article, in that~~

a first mobile support unit ~~[[is]]~~ mounted in each paint application ~~centre~~ means and adapted to move ~~at least~~ the ~~[[first]]~~ respective paint application means along a corresponding closed cyclic passage ~~[[,]]~~ including at least a first following ~~[[up]]~~ section of said ~~at least one~~ manufactured article during which a relative movement is imposed between said ~~at least first~~ the respective paint application means and said ~~at least one~~ the article, ~~and in that~~ and

[[a]] first mobile [[unit]] means ~~exists~~ in said rolling
[[and/]] or brushing equipment ~~, adapted to move at least for~~
moving the [[first]] respective roller [[and/]] or brush [[means]]
along a corresponding closed passage including at least a first
following [[up]] section of ~~said at least one~~ the manufactured
article during which a relative movement is imposed between ~~said at~~
~~least first~~ roller [[and/]] or brush [[means]] and ~~said at least~~
~~one~~ the manufactured article.

8. (canceled)

9. (currently amended) The powder painting equipment
according to ~~one or more of the previous claims, characterized in~~
~~that it comprises~~ claim 7, further comprising:

means for measuring the size of ~~said at least one~~ the
manufactured article ~~at the entry of said at least a~~ immediately
upstream of the ~~second centre for the application of at least a~~
~~second paint layer, as well as~~ means, and

control means that delivers for supplying a paint amount
according to the detected measurements and to a dedicated formula
to obtain the required desired final effect.

10. (currently amended) The powder painting equipment
according to ~~one or more of the previous claims, characterized in~~
~~that in~~ claim 1 wherein ~~each painting centre said at least first~~

~~support unit for said at least first paint application means moves~~
~~on a fixed guide comprising a first and second portion of guide~~
~~sloped in relation to the forward movement travel direction of said~~
~~at least one the manufactured article, and a third and fourth~~
~~portion parallel to the movement travel direction of said at least~~
~~one the manufactured article.~~

11. (currently amended) The powder painting equipment
according to ~~one or more of the previous claims, characterized in~~
~~that in each painting centre said at least a claim 7 wherein the~~
~~first mobile support unit for said at least first paint application~~
~~means moves on a mobile guide positioned at a right angle [[s]] to~~
~~the forward movement travel direction of said at least one the~~
~~manufactured article and carried in turn by a mobile support unit~~
~~in a direction parallel to the movement travel direction of said at~~
~~least one the manufactured article.~~

12. (currently amended) Powder-painting equipment in a
~~powder paint application equipment for rolling [[and/]] or brushing~~
~~at least one manufactured article to reproduce [[the]] a desired~~
~~decorative finish, characterized in that it includes at least the~~
~~equipment comprising:~~

overhead conveyor means for transporting the manufactured
article in a travel direction along a generally horizontal conveyor
path, the conveyor means including a support organ supporting the

article for rotation about a generally vertical axis, the support organ having first and second flat plates rotationally fixed to the article supported by the organ and extending generally in respective vertical planes nonparallel to each other,

a first rolling ~~[[and/]]~~ or brushing means having a roller or brush and mounted on a first mobile support unit adapted to move it movable along a corresponding closed circuit passage comprising of having a single following ~~[[up]]~~ section of ~~said at least one~~ the manufactured article during which ~~[[the]]~~ movement is imposed between said ~~[[first]]~~ roller ~~[[and/]]~~ or brush ~~[[means]]~~ and ~~said at least one~~ the manufactured article, and a single return section, said following ~~[[up]]~~ section ~~being developed~~ extending in a direction that slopes in relation to the ~~movement~~ travel direction of ~~said at least one~~ the manufactured article,

first guide means at the first application means for engaging the first plate and holding the manufactured article in a predetermined first angular position relative to the axis during application of the first layer;

means at a first station downstream of the first application means for fixing said first paint layer,

second ~~centre~~ application means downstream of the first station for applying ~~at least~~ a second layer of powder paint in a color, tone or properties different from said first paint layer to the article, and

second guide means at the first application means for engaging the second plate and holding the manufactured article in a predetermined second angular position angularly offset from the first position relative to the axis during application of the second layer.

13 - 14. (canceled)

15. (currently amended) ~~The equipment for rolling and/or brushing according to one or more previous claims, characterized in that~~ defined in claim 12 wherein said first and at least second plates ~~shaped elements have a lying plane~~ lie in respective planes substantially at a right angle ~~[[s]]~~ to each other ~~to block said at least one the manufactured article in a first pre-established angular position or in a~~ such that the second pre-established angular position ~~substantially rotated~~ is angularly offset by about 90° ~~in relation~~ relative to the first ~~established~~ angular position ~~during rolling and/or brushing operations.~~

16. (currently amended) The powder-painting equipment ~~for rolling and/or brushing according to one or more previous claims, characterized in that said at least~~ defined in claim 7 wherein the first and second rolling ~~[[and/]]~~ or brushing means presents an axis at right angles to said sloping direction of said following ~~[[up]]~~ section.

17. (currently amended) The powder-painting equipment ~~for rolling and/or brushing according to one or more previous claims, characterized in that~~ defined in claim 7 wherein said guide means of said first and second positioning elements is propelled driven by a corresponding linear actuator at right angles to the ~~movement~~ travel direction of ~~said at least one~~ the manufactured article.

18. (currently amended) The powder-painting equipment ~~for rolling and/or brushing according to one or more previous claims, characterized in that~~ defined in claim 12 wherein said at least first mobile support unit of said ~~at least first~~ rolling ~~[[and/]]~~ or brushing means comprises a carriage moved along a corresponding sloping upright of ~~[[the]]~~ an equipment frame driven by a motor through a transmission ~~[[organ]]~~.

19. (currently amended) The powder-painting equipment ~~for rolling and/or brushing according to one or more previous claims, characterized in that it includes~~ defined in claim 12, further comprising:

at least a first moving means mounted on said ~~at least~~ first mobile support unit of said ~~at least~~ first rolling ~~[[and/]]~~ or brushing equipment set at right angles to the ~~movement~~ travel direction of the ~~said at least one~~ the manufactured article, between ~~[[the]]~~ an idle position and operating position.

20. (currently amended) The powder-painting equipment
~~for rolling and/or brushing according to one or more previous~~
~~claims, characterized in that~~ defined in claim 19 wherein said at
least first moving means comprises an actuator for the linear
control of a carriage sliding on a guide at right angles to the
~~movement~~ travel direction of ~~said at least one~~ the manufactured
article, said [[a]] carriage supporting said ~~at least~~ first rolling
[[and/]] or brushing means and a rotation control motor for said at
~~least~~ first rolling means.

21. - 24. (canceled)